# IoT Connected Logistic Platform ( ICLP )

## Overview

We digitally run factories

&

connect them across the entire supply chain

SupremeSoft
YOUR reliable solution provider

# INCREASING PRESSURE

Brands are under increasing pressure to improve their **products** and meet evolving **customer expectations**

**Better Quality**

**Lower Price**

**Faster Lead-Time**

# Problems SupremeSoft Addresses to Connect the Supply Chain

#1 bottleneck for Industry 4.0 is the lack of real-time data

| Scattered Data | Lack of Digitalization | Complex & Costly Supply Chains |
|---|---|---|
| Data Generated from Hardware & Software | Too Much Paper-based Operations | 100's – 1,000's of Suppliers |
| Data is Disconnected | Inaccurate Information | Strict Regulatory Requirements |

# SCALABLE, SECURE, COST-EFFECTIVE, INTELLIGENT



BATTERY/LINE-POWERED INTELLIGENT GATEWAY

DISPOSABLE TAG

SHIPPER

CUSTOMS

ENTERPRISE SERVICE PROVIDER

USERS

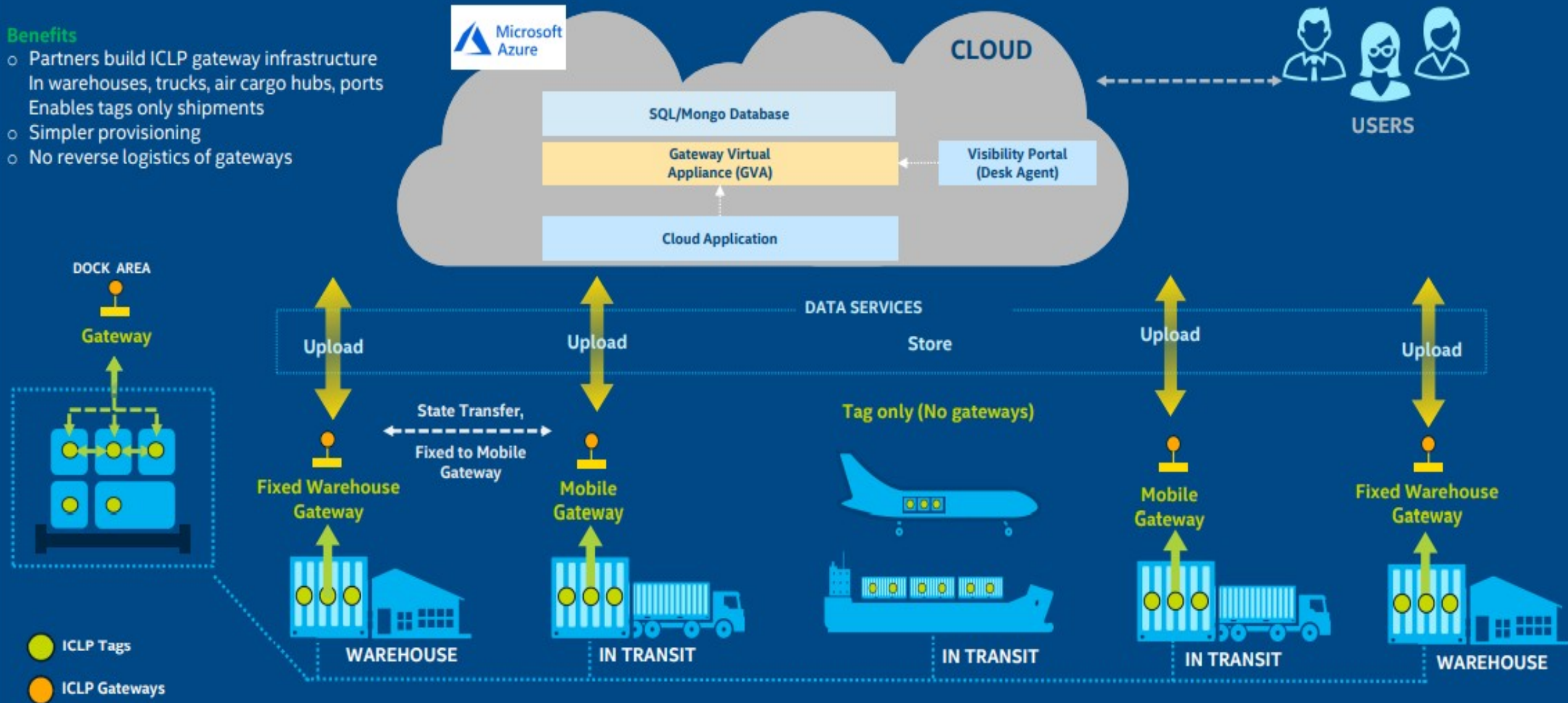🟢 **TAGS** AT ANY SHIPMENT GRANULARITY

🟠 **GATEWAYS** GO WITH THE SHIPMENT

# ICLP – GATEWAY INFRASTRUCTURE (CUSTODY TRANSFER)

**Custody Transfer:** Ability of tags to move from one gateway to another gateway seamlessly

**Benefits**
- Partners build ICLP gateway infrastructure In warehouses, trucks, air cargo hubs, ports Enables tags only shipments
- Simpler provisioning
- No reverse logistics of gateways

**Microsoft Azure**

**CLOUD**

**USERS**

SQL/Mongo Database

Gateway Virtual Appliance (GVA)

Visibility Portal (Desk Agent)

Cloud Application

**DOCK AREA**

Gateway

**DATA SERVICES**

Upload

Upload

Store

Upload

Upload

State Transfer,

Fixed to Mobile Gateway

Tag only (No gateways)

Fixed Warehouse Gateway

Mobile Gateway

Mobile Gateway

Fixed Warehouse Gateway

**WAREHOUSE**

**IN TRANSIT**

**IN TRANSIT**

**IN TRANSIT**

**WAREHOUSE**

ICLP Tags

ICLP Gateways

# ICLP DEVICE CERTIFICATIONS



**North America**

**Europe**

**Japan**

**Middle East**

**UAE**

**China**

**India**

**Thailand**

**Malaysia** **Vietnam**

**Africa**

**Singapore**

**South America**

**Rest of APAC**

**Device certifications**

- Green (approved); Blue (In progress); Red ones (to be approved)

# ICLP – AIRLINE APPROVALS



Lufthansa Cargo · AirBridgeCargo · cargolux · CATHAY PACIFIC

TURKISH AIRLINES · ETIHAD · JAL JAPAN AIRLINES · silkway west airlines

KOREAN AIR · ANA · NCA Nippon Cargo Airlines · DELTA CARGO

KALITTA AIR

*More to come...*

| Top 25 Cargo Carriers 2018 - Scheduled FTK (m) | | | |
|---|---|---|---|
| Rank | +/- | Airline | 2018 |
| 1 | 0 | Federal Express | 17,499 |
| 2 | 0 | Emirates | 12,713 |
| 3 | +1 | Qatar Airways | 12,695 |
| 4 | -1 | United Parcel Service | 12,459 |
| 5 | 0 | Cathay Pacific Airways | 11,284 ✓ |
| 6 | 0 | Korean Air | 7,839 ✓ |
| 7 | +1 | Lufthansa (1) | 7,394 ✓ |
| 8 | -1 | Cargolux | 7,322 ✓ |
| 9 | 0 | Air China | 7,051 |
| 10 | +1 | China Southern Airlines (1) | 6,597 |
| 11 | -1 | Singapore Airlines | 6,491 |
| 12 | +3 | Turkish Airlines (1) | 5,890 ✓ |
| 13 | -1 | China Airlines | 5,804 |
| 14 | -1 | AirBridgeCargo Airlines | 5,511 ✓ |
| 15 | -1 | All Nippon Airways (1) | 4,587 ✓ |
| 16 | 0 | Atlas Air | 4,553 |
| 17 | +3 | United Airlines | 4,455 |
| 18 | 0 | British Airways (1) | 4,276 |
| 19 | +2 | Asiana Airlines | 4,067 |
| 20 | -3 | Polar Air Cargo | 4,038 |
| 21 | +1 | American Airlines | 3,817 |
| 22 | +1 | Air France (1) | 3,673 |
| 23 | +2 | KLM (1) | 3,604 |
| 24 | 0 | EVA Air | 3,580 |
| 25 | -6 | Etihad Airways | 3,471 ✓ |

# Lack of Digitalization – Tackled for by Supremesoft's ICLP

Our digital operations platform provides greater control through the power of real-time data



## ICLP – Digital Toolset Ready for Mass Adoption

*Free MES to Digitize Operations*

*Plug-and-Play Toolset*

*1-Day Rapid Installation*

# Complex & Costly Supply Chains – Tackled by Supremesoft 's ICLP

ICLP leverages real-time supply chain data to provide full visibility and optimization

## ICLP – See Entire Supply Chain from Raw Material to Finished Good

| Real-time Data Visibility | Multi-Tier Supplier Traceability | Supply Chain Optimization | Secure Data Thru Blockchain |
|---|---|---|---|
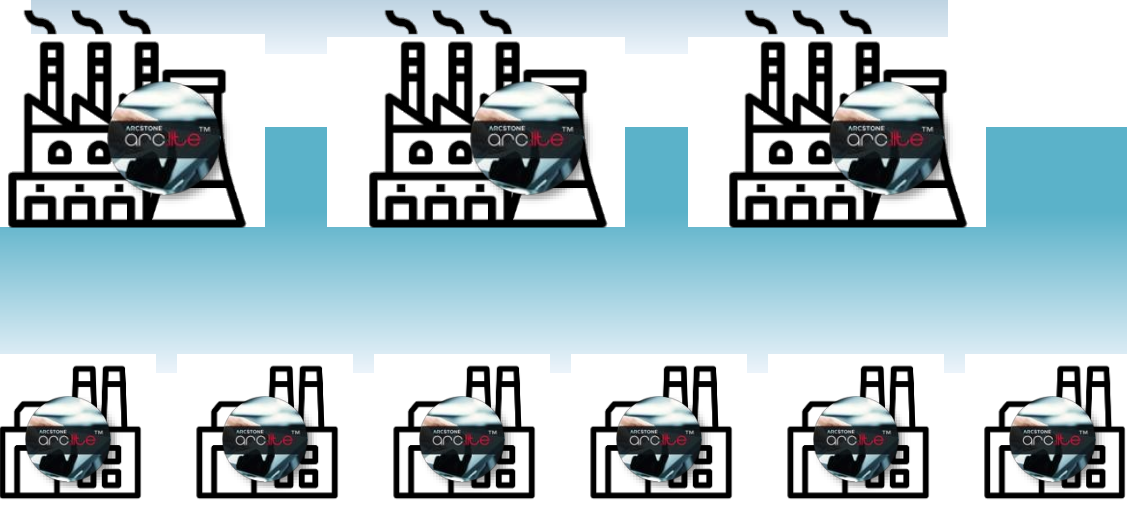
**ICLP**

# Supply Chain Complexity - Tackled by Supremesoft's ICLP

**ICLP**



### Receive Real-time Updates

View live production status, history and see details of the production process as they are carried out
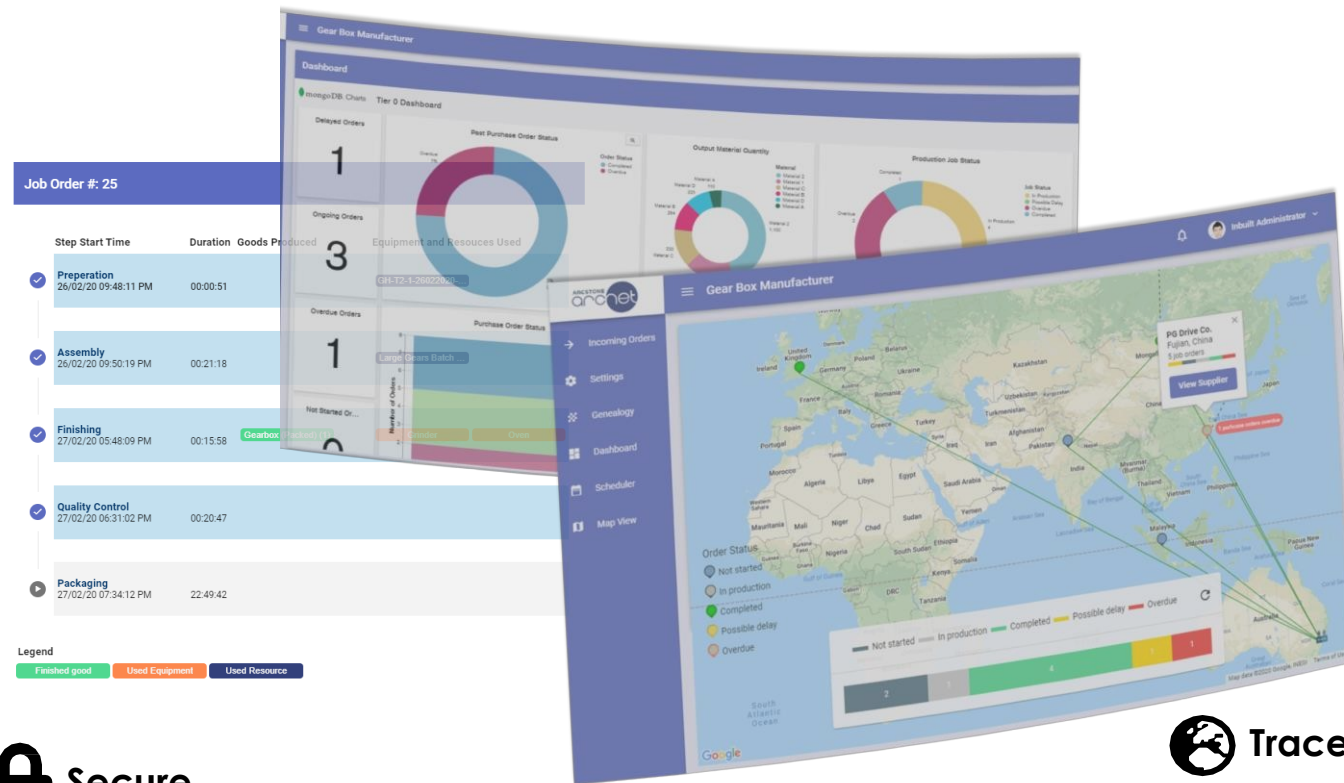
### Secure

Leverage blockchain technology. arc.net uses a distributed node network to transmit critical real-time manufacturing data

### Visible

Be empowered with full visibility of real-time data from all supplier tiers to elevate your sourcing capabilities

### Audits

Access audit reports and certifications from parts used in your manufacturing supply chain with a click

### Traceable

Trace down the supply chain with a digital thread connecting supplier and sub-supplier, from raw material sourcing to the hands of the customer

# SHIFT TOWARDS COMPLEX DIGITAL SUPPLY CHAIN NETWORKS

## Traditional Linear Supply Chain
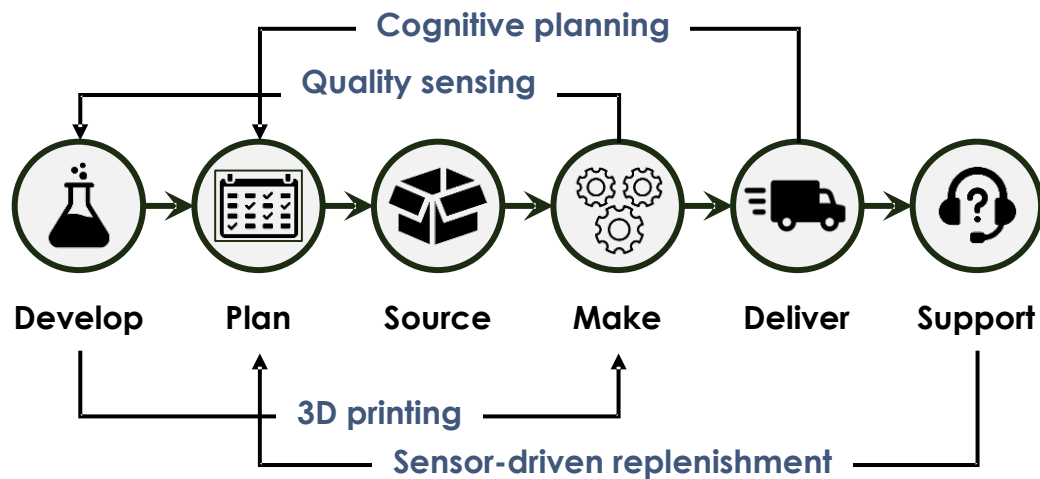


Linear and rigid structure where data is shared between only a few participants

## Digital Supply Chain Network
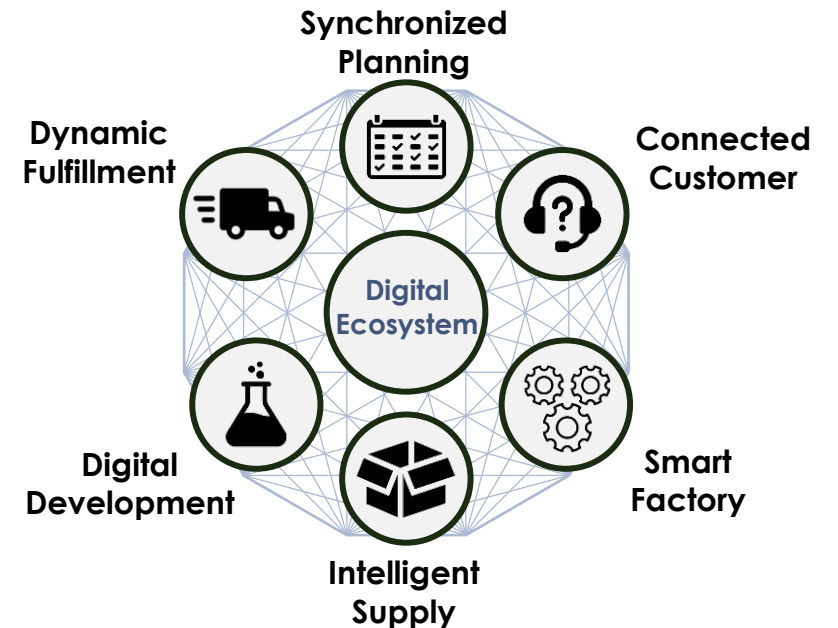


Matrix-like and flexible structure where data is shared amongst all participants

# Transform to Integrated Data Exchange

Implying a higher degree of automation of data exchange across the supply chain

Integrating the supply chain from raw materials to finished goods

Tier X Supplier

Tier 3 Supplier

Tier 2 Supplier

Tier 1 Supplier

MNC
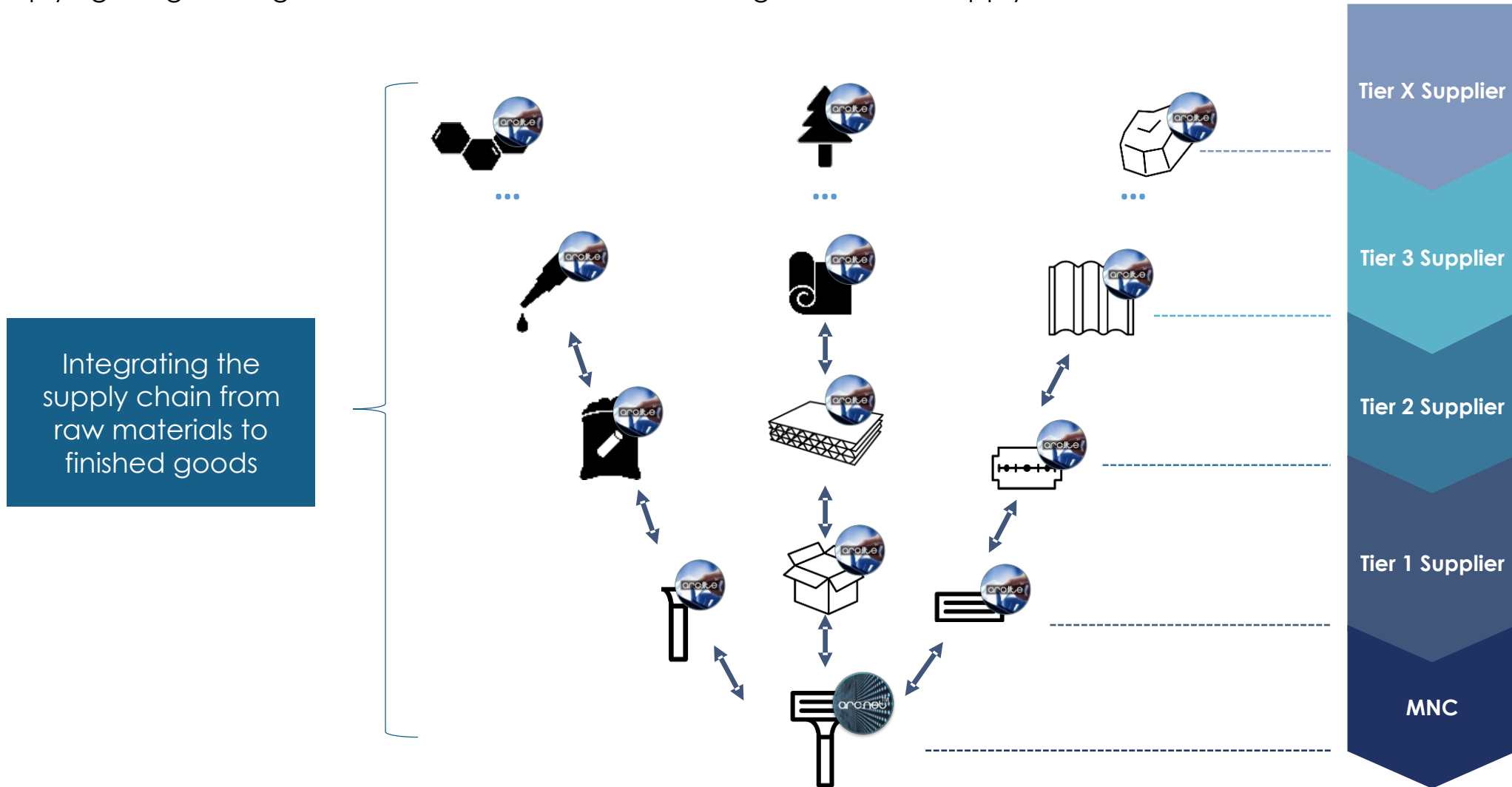
# END-TO-END VISIBILITY

ICLP serves as a **digital thread** connecting all aspects of the supply chain from raw material sourcing to the hands of the customer

ICLP

# Features to Drive Supply Chain Transparency

## ICLP

Connects brands to a consortium of manufacturing partners and suppliers

Integrated manufacturing planning and execution platform
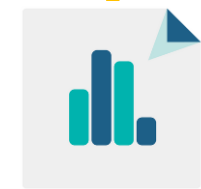
Aggregate, analyze, and exchange critical real-time manufacturing data

Real-time data

End-to-end visibility

Across entire supply chain

# Empower Multi-level Supply Chain Scalability

Given its decentralized nature, IMEP & ICLP enables cross platform integration

**Manual Interface Key In of Information**

**Third-party ERP**

**IMEP & ICLP** ™

**Integrated Manufacturing Planning and Execution Platform**
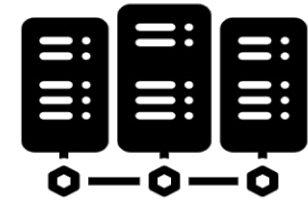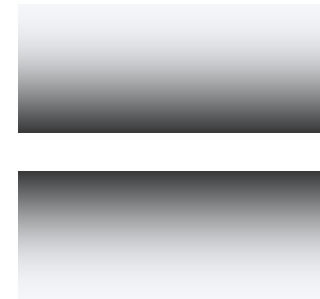
**Light weight FREE MES to track sub-supplier production operations**

ARCSTONE arclite ™

**Next-gen MES for full control, visibility across supplier factories**

ARCSTONE arc.ops ™

# ICLP

**Unprecedented data availability** from quality control information to official audit records and certifications all within a digital platform

**Full end-to-end manufacturing supply chain transparency** across all tiers of suppliers and raw materials providers

**MES level data from each supplier** provided in real time across a secure and encrypted multi-level blockchain platform

# ICLP

- Synchronize supplier inventory and production schedules with your own enterprise factories to chase "just-in-time" manufacturing objectives

- Analyze live supplier data to benchmark suppliers on cost, reliability, quality and sustainability

- Easy root cause analysis through full product and BOM traceability across all suppliers

# ICLP  BENEFITS
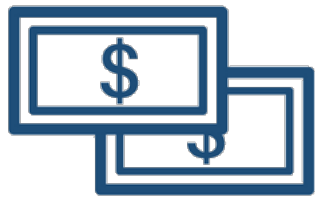
## Reduce Costs

- Optimizing inventory

- Supplier risk mitigation planning

- Production scheduling optimization

## Increase Speed

- Decision making

- Real-time sourcing

- Just-in-time delivery

## Improve Quality

- Real-time planning

- Meeting customer expectations

- Material sourcing traceability

Source **transparently** from suppliers

Control your supplier network **end-to-end**

# THE OPPORTUNITY IS NOW

Platform to provide real-time manufacturing data

Develop a first mover advantage
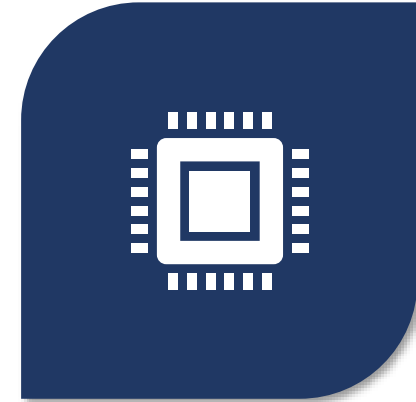
# Join us at the Forefront of Industry 4.0

### Visit our Demo Center
P3-3A, Shafstbury Square , Persiaran Multimedia
63000 Cyberjaya, Selangor, Malaysia.

### Schedule for technical demo

### We'll setup a POC remotely for your current projects

**Contact Us**

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